

ABSTRACT

A mezzanine safety gate for a mezzanine staging area maintains a clear aisle along the edge of the mezzanine and is supported at the edge by two minimal depth posts. Swing gates are provided between the posts at the edge. The posts include a roller guide track supporting a three sided cage or railing adapted to enclose the staging area when down. They also support two vertically spaced guide tubes for vertically elongated counterweights connected to the cage by cable pulleys at the top. The swing gates include guide tubes aligned with the counterweight guide tubes when closed. Spring loaded gate hinges are offset from the gate guide tubes. When the counterweights enter the gate guide tubes the gates are locked shut. Linear cams on the cage swing the gate open after being unlocked.